

INTERNATIONAL SEARCH REPORT

International Application No.

PC 17/052005/001999

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H05K3/34 H01L23/495 H01R13/03 C25D5/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H05K H01L H01R C25D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/025182 A1 (ABYS JOSEPH A ET AL) 6 February 2003 (2003-02-06) the whole document -----	1-10, 16-20, 25
X	US 6 613 451 B1 (ASAHARA HAJIME ET AL) 2 September 2003 (2003-09-02) the whole document -----	1-27
X	US 2002/187364 A1 (HEBER JOCHEN ET AL) 12 December 2002 (2002-12-12) the whole document -----	1-12, 16-20, 25

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

19 July 2005

Date of mailing of the international search report

01/08/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Edmeades, M

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2005/001999

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003025182	A1	06-02-2003	NONE
US 6613451	B1	02-09-2003	AU 5649699 A 03-04-2000
		WO 0015876 A1	23-03-2000
		JP 2000144482 A	26-05-2000
		JP 2000169997 A	20-06-2000
		JP 2000169996 A	20-06-2000
		JP 2000169995 A	20-06-2000
US 2002187364	A1	12-12-2002	CN 1407141 A 02-04-2003
		JP 2003049293 A	21-02-2003